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A high efficiency heat sink comprising a U-shaped copper tube and a press-formed sealed vacuum vessel formed of pure copper sheet. The sealed vacuum vessel contains fibers that are strongly absorbent and are impregnated with a refrigerant. The thermal energy effect of the surface with which the inhibited glycol refrigerant employed by the present invention is in contact causes the glycol to vaporize and ascend into the orifice of the U-shaped copper tube. A fan causes the orifice of the U-shaped copper tube of the evaporator to cool and condenses the vapor to liquid, and the liquid flows back again into the sealed vacuum vessel, thus forming a cyclic type heat exchanger and achieving the optimum heat dispersal effect.

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